

1      What is claimed is:

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3            1.       A drum type washing machine comprising:  
4                    a cabinet forming an exterior;  
5                    a tub in the cabinet to hold water;  
6                    a drum in the tub to hold a detergent and the water;  
7                    a rotational shaft penetrating into the tub to be coupled with a rear side of the drum;  
8                    a motor transferring a driving force to the rotational shaft; and  
9                    a damper provided between the tub and the cabinet to attenuate vertical, horizontal,  
10                  and front-to-rear vibrations transferred to the tub by a rotation of the drum.

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12            2.       The drum type washing machine as claimed in claim 1, wherein the damper  
13                  comprises a cylinder and a piston inserted in the cylinder to reciprocate.

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15            3.       The drum type washing machine as claimed in claim 2, wherein a cylinder  
16                  holder is provided at one end of the cylinder to be coupled with the tub and a piston holder is  
17                  provided at one end of the piston to be coupled with the cabinet.

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19            4.       The drum type washing machine as claimed in claim 3, wherein the cylinder  
20                  and piston holders are hinge-coupled with fixing ends provided at the tub and cabinet,  
21                  respectively.

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23            5.       The drum type washing machine as claimed in claim 1, the damper  
24                  comprising:

25           first and second dampers provided at left and right sides under a bottom of the tub to  
26       attenuate the vertical and horizontal vibrations; and  
27           a third damper provided in rear of the tub to attenuate the front-to-rear vibration.

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29           6.       The drum type washing machine as claimed in claim 5, wherein each of the  
30       first to third dampers comprises a cylinder and a piston inserted in the cylinder to reciprocate.

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32           7.       The drum type washing machine as claimed in claim 6, wherein a cylinder  
33       holder is provided at one end of the cylinder to be coupled with the tub and a piston holder is  
34       provided at one end of the piston to be coupled with the cabinet.

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36           8.       The drum type washing machine as claimed in claim 7, wherein the cylinder  
37       and piston holders are hinge-coupled with fixing ends provided at the tub and cabinet,  
38       respectively.

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40           9.       A damper of a drum type washing machine, comprising:  
41           first and second dampers provided at left and right sides under a bottom of the tub to  
42       attenuate the vertical and horizontal vibrations; and  
43           a third damper provided in rear of the tub to attenuate the front-to-rear vibration.

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45           10.      The damper as claimed in claim 9, wherein each of the first to third dampers  
46       comprises a cylinder and a piston inserted in the cylinder to reciprocate.

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48           11.      The damper as claimed in claim 10, wherein a cylinder holder is provided at

49 one end of the cylinder to be coupled with the tub and a piston holder is provided at one end  
50 of the piston to be coupled with the cabinet.

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52 12. The damper as claimed in claim 11, wherein the cylinder and piston holders  
53 are hinge-coupled with fixing ends provided at the tub and cabinet, respectively.